Industry Update

UID Implementation

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Outline

- **Industry - General Observations**
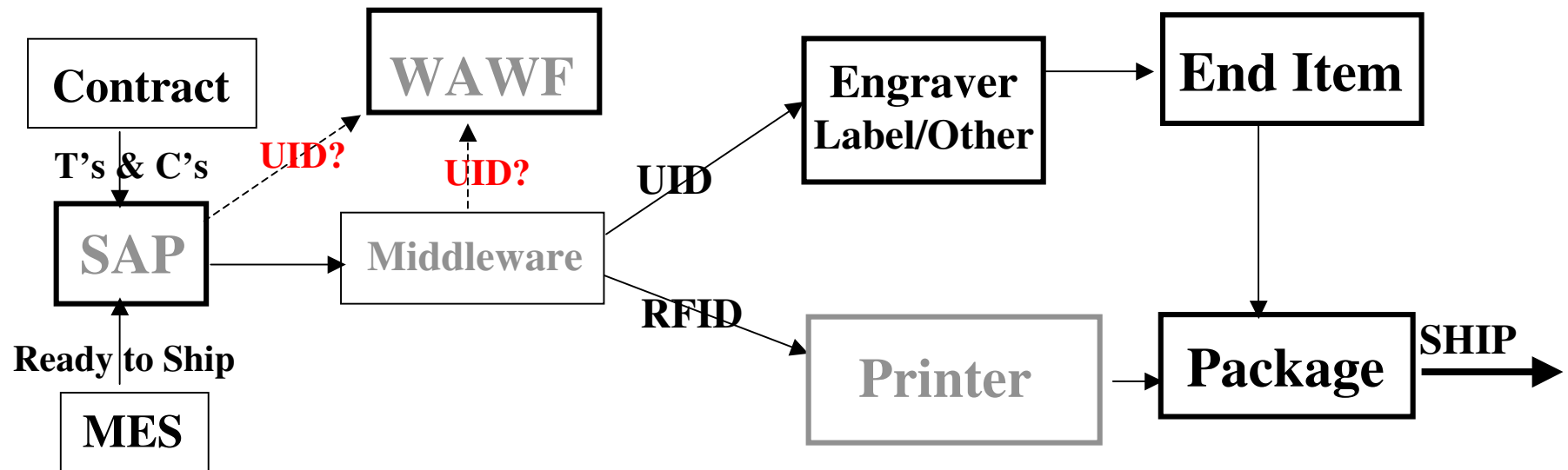- **Primes**
- **Vendors**
- **DCMA**
- **Way Forward**
- **Issues**

Industry Roadmap - General Observations

- **Industry as a whole is moving forward on UID with the intention of complying with the DoD unique marking concept**
  - Engine suppliers have established a joint guidebook
- **Most Defense Contractors have established a UID Office, Directorship or POC**
  - some have designated their Contracts office as the driver for UID implementation, as they will be the first to see the requirements
- **All contractors are assessing the impact to the business**
  - there are fundamental cost drivers associated with compliance depending on the vendor level in the supply chain
  - avionics end item vendors have much less impact to their businesses, in general, than do air-framers and engine manufacturers
- **It is clear that use of the WAWF will significantly accelerate the mandate but some vendors, Honeywell among them, want to wait for their ERP system to be up and running in order to electronically facilitate the change**
 - this places additional burden on contracting groups

The Honeywell Vision

Prime Contractors to DoD

- **Primes are faced with several issues unique to their position**
  - in their role as integrators, they must also integrate the UID roll up on their weapon system end items
  - they need to determine/interpret the mandate in a manner which makes good business sense and meets the intention of the DoD
- **Major Primes, such as Boeing, Lockheed, Raytheon and Northrop Grumman, are beginning to flow down the DoD mandate in their contracts**
- **Lockheed has dictated that JSF incorporate 2D Bar Code**
  - registry of the UID, or UID marking was absent in the solicitation to vendors
- **Northrop Grumman has requested, in a presentation provided to vendors, that they "roll up" the cost of compliance**

Joint Strike Fighter - 2D Barcode
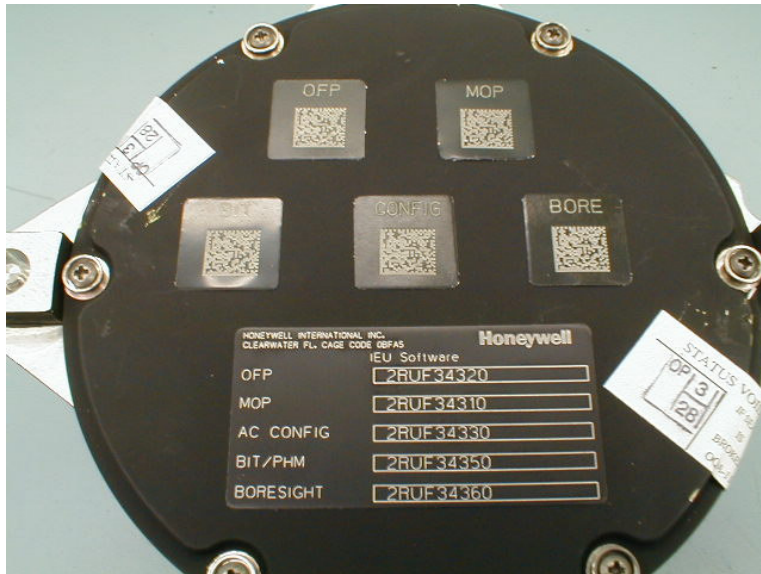
- **Meets Lockheed requirements**
- **Does not meet USG UID Requirements**
  - **All the information is present on the 2D barcode BUT**
    - no UNIQUE ID
- **Concatenated UID would be:**
  - **DOBFA5//34212053-9001//0006**

Second/Third Tier Suppliers and Vendors

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- **In addition to the DoD mandates, these suppliers must respond to Prime contractors**

- **Marking of items is the easy part**
  - **most vendors have been required to mark parts in the past and most equipment is adequate or can be easily modified to mark end items with UID**
  - **Engine manufacturers have a more difficult issue**
  - **Honeywell, Parker Aerospace and others have delivered marked end items to the DoD and prime contractors**

- **The UID Registry and WAWF are still issues**
  - **All parts must be entered into the registry according to the constructs and with appropriate data**
    - direct sales to DoD are clearly defined
    - who enters the price for the end item for sales to a prime? OEM of the end item or the prime
    - which contract number is used?
  - **Parker Aerospace has been using WAWF for over a year, but had to drag DCM along (they are pleased with the results)**
  - **Honeywell wants to wait until it can connect with the ERP(SAP) before hooking into the WAWF**

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DCMA

- **The striking thing about DCMA is their non-uniform readiness for this mandate**
  - **This organization should be the contractors first point of contact for information**
    - in some cases this is true but in others, contractors are educating DCMA

- **Some sites have embraced the changes while others are resistant to the concept**
  - **WAWF is not completely familiar to the DCMA organization**

Legacy and GFP Issues

- **All contractors are waiting for these directives**
- **It will dictate actions to be taken to comply with the mandate.**
  - **Fundamental questions associated with marking still exist**
    - who marks
    - which data is entered into the registry and by whom
    - which events trigger activity
    - virtual UID
    - data dump of information to the registry by vendors,primes, both?

The Way Forward

- **Contractors must:**
    - **assess their USG contracts for UID requirement**
    - **inventory GFP and previously sold USG items**
        - obtain necessary registry database information
    - **flow down the requirement to their vendors**
        - establish marking rules - who does what
        - collection of costs?
    - **educate members of their contract community**
    - **establish a process for registry**
    - **ensure that drawings are changed to accommodate the UID mandate, with history information for previously sold unmarked items maintained in the CM system**
        - approvals of these changes needs to be fast-tracked
    - **ensure that labeling equipment is suitable for marking**
        - run pilots
    - **ensure that a signal is clearly provided to mark items as necessary**
    - **coordinate with DCMA**
    - **provide feedback**

Other Issues

- **RFID**

  - mandated for packaging in order to increase speed and accuracy of movement of supplies to ICPs and forward deployed activities

  - passive RFID construct must identify the item in the box

  - the obvious answer is to use the UID!!!

  - BUT the RFID construct will not fit on current data labels due to limited memory

- **Repair and Overhaul**

  - UID registry for legacy items will/should contain original price to government
    - Do we enter the repair price to the registry as well
    - Does it matter

  - When an overhaul is performed which changes a part number and is sold off via DD250, what data is entered

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